User manual

Polisher

WP-EX 3000

with speed regulator

Fig.: WP-EX 3000

WASSERMANN DENTAL-MASCHINEN

CE

WASSERMANN DENTAL-MASCHINEN GMBH

Dear customer,

Thank you for choosing a product from the Wassermann range. Wassermann dental equipment incorporates the highest standards of quality and the latest technology. In order to enjoy maximum performance and years of trouble-free operation, please read this user manual carefully **before** you start work, and operate the unit according to the recommended guidelines.
Please ensure that all personnel operating the equipment have read and understood this user manual.

Keep this user manual on hand for ready reference.

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WASSERMANN DENTAL-MASCHINEN
Die Basis für Ihr Labor

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1 For your safety

1.1 Correct use of this product

This polisher is used for polishing dental appliances. Its integrated suction system guarantees optimum performance.

1.2 Safety symbols used in this manual

Warning!
This is a warning of risk situations and dangers. Failure to observe this warning could be life-threatening. These warnings must be observed.

Information!
This symbol draws your attention to specific features which must be observed.

1.3 Safety guidelines

Configuring and operating this equipment requires ***precise knowledge*** and ***observance*** of the instructions in this ***user manual***. The equipment is designed only for its intended application.

Servicing and repairs should be carried out only by authorised specialists.

Make sure that the equipment is connected to the correct power source.

1.4 Your user manual

Configuring and operating this equipment requires ***precise knowledge*** and ***observance*** of the instructions in this ***user manual***. The equipment is designed only for its intended application.

1.5 Responsibility for operation and damage

The responsibility for operating the unit lies exclusively with the owner or user if the said unit is incorrectly serviced, maintained or altered by persons not employed by an authorized dealer or if the unit is used in a manner contrary to its specified purpose.

The unit must be maintained and operated in accordance with this user manual. Wassermann Dental-Maschinen GmbH is not responsible for damage arising from the ***non-observance*** of these instructions.

Guarantee and responsibility provisions contained in the sales and supply conditions of Wassermann Dental-Maschinen GmbH are not extended by these instructions.

Product responsibility lapses if the equipment is altered by unauthorised third parties or if non-original parts are installed. Use only original WASSERMANN replacement parts.

1.6 Authorised users

The owner of the equipment must ensure that any users have been provided with the user manual and that they have read and understood its contents before operating the equipment.

Ensure that this user manual is accessible <u>at all times</u> and has been read and understood.

2 Care and maintenance

2.1 Maintenance

Always disconnect the power cable before undertaking cleaning or maintenance.
The model plate must always be legible and should not be removed.

The equipment should be cleaned at regular intervals to ensure trouble-free operation. It requires only normal cleaning (sponge, damp cloth, mild detergent). Do not use chemical additives.
Always ensure that the nuts in the holes for the brush spindles remain clean. Be especially careful when polishing with pumice stone.
When undoing the nuts, remember that the **left side has a right-hand thread** and the **right side a left-hand thread**.

2.2 Care

Remove external dirt from time to time with some form of cold cleaner.
Use only cold cleaners to avoid damaging the paintwork or removing the lettering.
Recommended: A151 universal cleaner.

3 Use / Application

The WP-EX 3000 polisher has a well-tried, efficient, maintenance-free single-phase AC motor (induction motor) which runs at speeds adjustable from 750 rpm to 1500 rpm in 250 steps and from 1500 rpm to 6000 rpm in 500 steps. It has low-noise, completely maintenance-free bearings.
The WP-EX 3000 also comes with a light and a powerful suction unit.
Shaft ends have 9mm long standard tapers for mounting the brush spindles.
The polishing troughs are made of soft rubber and are easily removable, despite the screw-in suction feet.

4 Before you start

4.1 Unpacking / Transport

- Open the cartons, remove the packing materials, and carefully lift out the instrument and accessories. Check that the accessories are correct.
- Place the instrument on a firm, level surface.
- When transporting the instrument, use appropriate packing materials to avoid accidental damage.

Locate the operating instructions and read them carefully.

When unpacking, it is important to identify any accidental transport damage. If necessary, draw up an immediate status report.

4.2 Contents

146994	WP-EX 3000 polisher
152022	Right brush spindle
152025	Left brush spindle
592012	Cable with right-angle plug
610015	2 x microfine dust filter bag (installed)

4.3 Location / storage

The polisher location is very important when it comes to workplace safety, even if it is only to be set up there for a short period. The room should be dry, well ventilated and vibration-free. An even temperature and wooden supports also help.

The polisher should not be stored out of doors.

5 Installing the brush spindles

The nuts must first be removed before you install the brush spindles. Use a cloth to ensure that the shaft ends are free of grease and then remount the nuts.

Use compressed air to remove any dust and dirt from the brush spindles. Then install the spindles as marked: **L = left and R = right**. Fix the spindles in place by tapping lightly on the tip of the taper using a hammer and a plastic block.

Do not use force as this could damage the bearings and void the warranty.

When the motor is on, the spindles must run true. If they do not, repeat the installation process.

6 Start up

The instrument must be at room temperature before you start it.

1. Connect the polisher to the power supply.
2. Turn on main switch (green rocker switch).
3. Use the selector to set the motor speed.
4. The speed can even be adjusted during operation using the arrow keys.
5. Yellow key = Blower ON/OFF.
6. Use green key for Start / Stop.

7 Troubleshooting / Correcting Errors

Fault	**Likely cause**	**Likely solution**
Spindles do not stay in place	Spindles too loose	Use light hammer taps to fix spindles in place
Spindles cannot be undone	Spindles located too firmly on tapers	Contact our Service department
Little to no suction	Filter bag full	Replace filter bag
Bearing noise	Faulty bearing	Contact our Service department

If the above recommendations do not solve the problem, contact your dental depot or our Service department.

7.1 Technical data

Voltage	230 V / 50 Hz
Power consumption	3.7 A / 850 W
Output	500 W
Suction capacity	970 m2/h
Weight	51 kg

Width	645 mm
Depth	545 mm
Height	475 mm

Polisher noise emission ≤ 70db(A).

We reserve the right to make technical changes.

7.2 Accessories and spare parts

Accessories	
Item number	Description
155022	Right brush spindle
155025	Left brush spindle
611011	Spare filter bag 1 set = 2 pieces

Spare parts	
Item number	Description
152022	Right brush spindle
152025	Left brush spindle
152043	125 mm right brush spindle
152044	125 mm left brush spindle
152049	1-6 mm drill chuck
152056	Right ceramic holder
152057	Left ceramic holder

7.3 Repairs

Servicing or repairs to the unit must only be carried out by trained technicians.
Only original Wassermann spares are to be used.
Responsibility for the product is voided if altered by unauthorised persons or if inappropriate components are installed.

8 Warranty

The warranty period for our equipment is 12 months. If faults occur within the warranty period, contact your dental depot or get in touch directly with our Service department.
The WP-EX 3000 polisher should only be operated in perfect condition. If faults occur which could harm operators or third parties, the unit should not be used until it has been fixed.
The warranty does not cover damage caused by improper use, external mechanical causes, transport damage or interference with the unit by unauthorized persons.

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9 EC CONFORMITY CERTIFICATE

in accordance with 73/23/EWG (low-voltage guidelines) modified by 93/68/EWG and 89/336/EWG (EMV guidelines) and 89/392/EWG (Machinery guidelines), with modifications

Manufacturer:	W A S S E R M A N N Dental-Maschinen GmbH Rudorffweg 15 - 17 D-21031 Hamburg	Product description:	Polisher for dental applications
Model:	WP-EX 3000 polisher		146994
Applicable standards:	EN 61010-1:1993 + A2:1995 EN 60335/2/54 03.97 EN 50081-1 + EN 50082-1 DIN 45635-1		

Hiermit wird bestätigt, dass die oben bezeichnete Maschine den genannten EG-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung verändert wird.

This is to confirm that the above mentioned machine complies with the described EC rules. This declaration becomes invalid if the machine is modified without our approval.

Cette machine est conforme aux normes en vigueur de la Communité Européene. Cet avis est nul et non avenant si cette machine est modifiée sans notre accord.

Esta máquina, anteriormente mencionada, cumple con los limites requeridos por el reglamento EC. Ahora bien, esta declaración quedará invalidada en caso de realizar modificaciones al aparato sin nuestra aprobación.

Hiermee wordt bevestigd dat bovengenoemde machine voldoet aan de voorgeschreven EU normen. Deze verklaring verliest geldigheid als er zonder onze uitdrukkelijke toestemming wijzigen aan de machine worden aangebracht.

Place, date: Hamburg, 10 April 2003 Company stamp:

WASSERMANN DENTAL-MASCHINEN GMBH
Rudorffweg 15 - 17 • 21031 Hamburg

Signature _____

Wilfried Wassermann
(Managing Director)

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